



LNA-100147

Single-Band X-Band LNA

Band: X-Band

Output Connector: N - 50 Ohm

Power Connector: MS3112E10-6P

KEY SPECIFICATIONS

Band	X-Band
Input Frequency Band 1	8.0 - 8.4 GHz
Noise Figure Max	1.0 dB

RF SPECIFICATIONS

Conversion Gain Min	40 dB
Gain Flatness	3 dB p-p max.
Gain Ripple (at Per 36mhz)	1 dB p-p max.
Input VSWR	1.4 : 1 max.
Oip3	+ 28 dBm min.
Output P1db	+ 20 dBm min.
Output VSWR	1.4 : 1 max.
Spurious In Band	-55 dBc max. at output -10 dBm (except harmonic)

ELECTRICAL SPECIFICATIONS

Current Consumption	200 mA max.
Input Power	MS3112E10-6P
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

RF Input Connector	CPR 112G (with groove)
RF Output Connector	N-Connector

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C

PHYSICAL SPECIFICATIONS

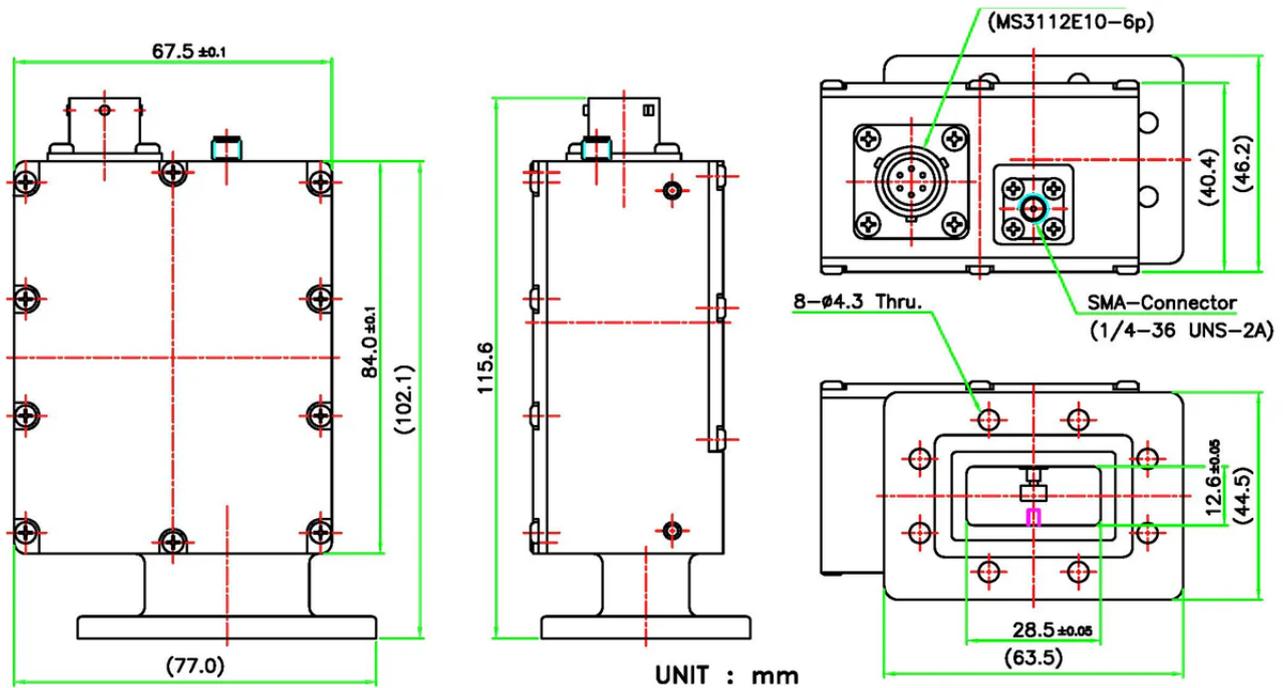
Product Height	46.2 mm
Product Length	115.6 mm
Product Weight	0.55 kg
Product Width	77.0 mm



LOGISTICS SPECIFICATIONS

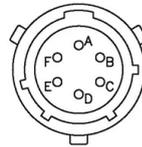
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	145 x 95 x 65 mm 0.645 kg

MECHANICAL DIAGRAMS



MS Connector Pin Map

Pin code	Signal
A	Supply Voltage
B, C	Ground
D, E, F	NC



Matching MS Connector



(MS3116F10-6S)